

PAVEL KRATINA PhD, FHEA

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 QMUL website: <http://www.sbcs.qmul.ac.uk/staff/pavelkratina.html>

ACADEMIC APPOINTMENTS AND EDUCATION

Associate Professor / Senior Lecturer in Ecology, School of Biological and Chemical Sciences, Queen Mary University of London, London, UK. 9/2019 – present

Fellow of the Higher Education Academy (FHEA), Professional Recognition / University Teaching Accreditation. 2016

Assistant Professor / Lecturer in Aquatic Ecology, School of Biological and Chemical Sciences, Queen Mary University of London, London, UK. 10/2013 – 9/2019; **Permanent Since 2016**

Visiting Research Fellow, Department of Ecology, Environment and Plant Sciences, Stockholm University, Stockholm, Sweden. 05/2013 – 09/2013

Endeavour Visiting Research Fellow, School of Biological Sciences & Australian Centre for Biodiversity, Monash University, Melbourne, Australia. 11/2012 – 05/2013

Postdoctoral Research Fellow, Watershed Sciences Center & John Muir Institute of the Environment, University of California, Davis, USA. 10/2011 – 09/2013

Postdoctoral Teaching Fellow, Department of Zoology & Biodiversity Research Centre, University of British Columbia, Canada. 09/2010 – 12/2010

NSERC Postdoctoral Research Fellow, Department of Zoology & Biodiversity Research Centre, University of British Columbia, Canada. 09/2009 – 09/2011

PhD in Ecology, University of Victoria, Canada, 08/2009, Advisor: Dr. Bradley Anholt

COMPETITIVE GRANTS AND FELLOWSHIPS

2024, **Workshop funding from CAPES-Print UFRPE: *Strengthening High Education and Research at the Federal Rural University of Pernambuco (UFRPE), Recife, State of Pernambuco, Brazil, £2,200.***

2024-2026, **NERC Pushing the Frontiers Co-I (NE/Y001184/1).** Predicting the Impacts of Global Environmental Change on Ecological Networks, £1,000,000.

2023-2024, **AquaSYNC SWG 003 PI.** Land use change and river community size structure: consistent impacts across latitudes? 400,000 NOK.

2022, **The Environmental Agency (Co-I) – Characterisation of high-quality genome map for the Mayfly *Ephemera danica* (ENV0003982C), £ 49,450.**

2022, **Global Engagement Research Initiation Scheme (GERIs) Co-I, QMUL – Evolving communities: plastic responses to changing ecosystems, £1,000.**

2021 – 2025, **National Research, Development and Innovation Office – NKFIH, Hungary, Project nr. FK 138215.** Effects of climate-change driven diet shift on community

composition and ecosystem functioning in an invasive crustacean (ClimateShift), ~€111,000.

2021 – 2025, **São Paulo Research Foundation (FAPESP)**, proc. no. 2019/08474-8), **Partner** - Freshwater ecosystems under climate change: impacts across multiple levels of organisation, ~ £186,000.

2021 – 2024, **Fundação para a Ciência e a Tecnologia (FTC) Portugal – Partner**, SR & TD Project Grant, PTDC/BIA-BMA/1893/2020. Temperature and nutrient interactions in aquatic ectotherms: individual, populations and communities at latitudinal edges, €249,851,13.

2021, **London NERC DTP**, PhD studentship – Emma Deeks, £74,000.

2020 – 2024, **Centre for Doctoral Training, QMUL** – BioPEP BIODEgradable Plastics as emerging Environmental Pollutants, 3 PhD studentships.

2020 – 2023, **Interreg, EU European Commission**, European Regional Development Fund PPP, Grant Number: 2014TC16RFCB040/188 – Preventing plastic pollution: a catchment-based approach to plastic pollution, €14,312,083.

2018 – 2021, **Newton Advanced Fellowships**, NAFIR2\180791 – How aquatic subsidies shape the trophic niche and structure of terrestrial communities, £74,000.

2019 – 2020, **Brazilian Federal Foundation for Support and Evaluation of Graduate Education (CAPES)**, PhD studentship, £12,040.

2019, **Faculty of Science, University of South Bohemia**, Stable Isotope Workshop, £550.

2019, **British Council, 2017-RLWK8-10592**, Freshwater Ecosystem Services Workshop in Florianopolis, Brazil.

2019, **London NERC DTP**, PhD studentship, £74,000.

2018 – 2021, **Contributed to successful sDiv proposal** – Unifying environmental and spatial determinants of food web structure across spatial scales, €43,550.

2018, **AquaCosm Transnational Access (PI)** – The effect of temperature and dispersal on domes in pelagic size spectra, €10,000.

2018 – 2020, **FAPESP**, Projeto de Auxilio Regular, 2017/09052-4 – Influence of latitude and aquatic subsidies on niche breath and structure of terrestrial communities, \$38,000.

2017 – 2018, **The Environmental Agency (Co-I)** – Linking the presence of invasive alien species to measures of ecological quality, £20,860.

2015, **London NERC DTP**, PhD studentship, £74,000.

2015 – 2018, **Contributed to successful CESAB proposal** – The functional diversity of food webs: linking ecology, physiology, and biogeography (FunctionalWebs), €180,000.

12/2012 – 12/2014, **Contributed to successful NCEAS proposal** – Synthesizing theory and databases to advance a general framework for how warming affects trophic interactions, \$24,000.

11/2012 – 04/2013, **Endeavour Research Fellowship** – Impacts of climate change and invasive species on food web structure and dynamics, \$AUD 23,500.

01/2012 – 12/2013, **Contributed to successful CIEE proposal** – Integrating body size and thermal scaling to understand the effects of temperature on food webs, \$24,000.

09/2009 – 09/2011, **Natural Sciences and Engineering Research Council of Canada**, Mechanistic understanding of food web stability, \$80,000.

2009, **Travel Grant** for the CIEE meeting in Halifax, Canada, \$600.

2008, **The King-Platt Memorial Fellowship**, \$13,000.

2007, **The King-Platt Memorial Award**, \$1,650.

2006, **The King-Platt Memorial Award**, \$1,650.

SUPERVISING GRADUATE STUDENTS

PhD students total: 16, completed: 10

Jenny Stewart (PhD student): Joint Supervisor, 2024 – present.
Tauany Rodrigues (PhD student): Joint Supervisor, 2023 – present.
 Maggie Finlayson-Sykes: Panel Chair, 2023 – present.

Mengdi Li (PhD student): Joint Supervisor, 2023 – present.

Frederick James Wilkinson (PhD student): Panel Member, 2023 – present.

Jamila Rowland-Chandler (PhD student): Panel Chair, 2023 – present.

Daiane Montoia Comparsi (PhD student): Joint Supervisor, 2022 – present.

Emma Deeks (PhD student): Primary Supervisor, 2021 – present.

Susan Elizabeth Gertrude Hawthorne (PhD student): Panel Chair, 2021 – present.

Lucy Mead (PhD student): Panel Chair, 2021 – present.

Ana Martínez Rodríguez (PhD student): Joint Supervisor, 2020 – present.

Danielle Marchant (PhD student): Primary Supervisor, 2020 – present.

Liam N. Nash (PhD student): Primary Supervisor, 2019 – 2023. Now Ecology Officer at Southwark Council, London, UK.

3 months UKRI's Policy internship scheme with DEFRA as the host organisation: 7th March – 7th June, 2022.

Gabriela Zemelka (Post-doctoral fellow): Joint Supervisor, 2020 – 2023.

Ewan Shilland, (PhD student): Panel Member, 2019 – present.

Stephanía Tsola (PhD student): Panel Member, 2018 – 2023.

Liam Calder Doody Dickson (PhD student): Panel Chair, 2018 – 2022.

Leila Fouda (PhD student): Panel Member, 2018 – 2022.

Orestes Al-Khudhairy (PhD student): Joint Supervisor, 2016 – 2021.

Mayara Pereira Neves (PhD, Federal University of Rio Grande do Sul): Joint Supervisor, 2019 – 2020.

Roswitha Fiala (MSc, QMUL): Primary Supervisor, 2019 – 2020.

Jessica Picken (PhD student): Joint Supervisor, 2015 – 2020. Now Natural Resources Wales, Cardiff.

Hanrong Tan (PhD student): Primary Supervisor, 2017 – 2020.

Jessica Marsh (PhD student): Joint Supervisor, 2015 – 2019. Now Marine and Fisheries Scientist, CEFAS, Weymouth, UK.

Daisy Pinn (MSc, QMUL): Primary Supervisor, 2019. Previous: Microbial Analyst, Thames Water. Current: Consultant Microbiologist, Water Research Centre (WRc).

Olivia McGregor (MSc, QMUL): Joint Supervisor, 2019.

Lowri Evans (PhD student): Primary Supervisor, 2015 – 2018. Now Postdoctoral Researcher, Bangor University.

Victoria Kemp (PhD student): Primary Supervisor, 2015 – 2018. Now Research Manager, Wolfson Institute of Preventive Medicine.

Leah Lewington-Pearce (PhD student): Primary Supervisor, 2014 – 2018.

Liam N. Nash (MSc, QMUL): Primary Supervisor, 2017 – 2018.

David Bennett (PhD student): Panel Member, 2014 – 2018.

Hernani F. M. De Oliveira (PhD student): Panel Member, 2015 – 2018.

Elliott Laurence Price (MSc, QMUL): Primary Supervisor, 2016 – 2017. Now PhD student, University of Liverpool.

Tania J. Watts (MSc, QMUL): Primary Supervisor, 2016 – 2017.

Jens Munk Nielsen (Post-doctoral fellow), Primary Supervisor, 2016. Now NRC Researcher, NOAA Alaska Fisheries Science Center, Seattle, USA.

Marta Mikulcic (MSc, University of Zagreb), Mentor, 2016.

Curtis Horne (PhD student): Panel Member, 2015 – 2017.

Hayley Breen (MSc student): Primary Supervisor, 2015 – 2016.

Elena Loreto Horas Martin (volunteer MSc project): Primary Supervisor, 2016.

Franziska Brunner (PhD student): Panel Member, 2015 – 2016.

Yizhu Zhu (PhD student): Panel Member, 2015.

Katherine Sarah Irving (MSc, QMUL): Primary Supervisor, 2014 – 2015, Now PhD student, IGB Berlin.

Elvina Susan Lawrence (MSc, QMUL): Primary Supervisor, 2014 – 2015.

Salileh Sadat Aleyasin (MSc, QMUL): Primary Supervisor, 2014 – 2015.

Alathea Letaw (PhD student, UBC): Mentor, 2010.

SUPERVISING UNDERGRADUATE STUDENTS

Magdalene Ho, (BSc, QMUL): Primary Supervisor, 2023 – 2024
 Emily Maria Caldeef, (BSc, QMUL): Primary Supervisor, 2023 – 2024
 Gulce Cebeci, (BSc, QMUL): Primary Supervisor, 2022 – 2023
 Emily Victoria Eales, (BSc, QMUL): Primary Supervisor, 2022 – 2023
 Mawadda Khalid, (BSc, QMUL): Primary Supervisor, 2022 – 2023
 Timothy Chambers (BSc, QMUL): Primary Supervisor, 2021 – 2022
 Joseph David Rayner (BSc, QMUL): Primary Supervisor, 2021 – 2022
 Charlotte Harrison (BSc, QMUL): Primary Supervisor, 2021 – 2022
 Ramesh Oliver Wilson (BSc, QMUL): Primary Supervisor, 2020 – 2021, Currently PhD at Oxford University
 Rosaëlle Perreault (Intern, Université de Sherbrooke), Primary Supervisor, 2019
 Roswitha Fiala (BSc, QMUL): Primary Supervisor, 2018 – 2019
 Alissa Victoria Bass (BSc, QMUL): Primary Supervisor, 2017 – 2018
 Giulia Pianta (BSc, QMUL): Primary Supervisor, 2017 – 2018
 Amol Sunil Prabhu (BSc, QMUL): Primary Supervisor, 2017 – 2018
 Thomas James Lillie (BSc, QMUL): Primary Supervisor, 2016 – 2017
 Costanza Manes (BSc, QMUL): Primary Supervisor, 2016 – 2017
 Martina Treggiari (BSc, QMUL): Primary Supervisor, 2015 – 2016
 Ben Parker (BSc, QMUL): Primary Supervisor, 2015 – 2016, Currently PhD at Bournemouth University
 Jacob Montgomery (Jr. Specialist, UC Davis): Mentor, 2012
 Bonnie Vogt (BSc, UVic): Mentor, 2007 – 2008

TEACHING EXPERIENCE

BIO343 Climate Change and Conservation Challenges, 2018 – present
MSc Module BIO773P – Statistics and Data Analysis, 2023 – 2024
MSc Module BIO735P – Quantitative Techniques in Ecology, 2016 – 2017
MSc Module BIO737P – Ecosystem Structure and Function, 2014 – present
 Field Course for Ecosystem Structure and Function, 2014 – 2019
Module Organizer and Lecturer – Multiday (6 days) Field Course in Croatia, Ecological Interactions II, BIO294, 2014 – present
Module Organizer and Lecturer – BIO234 Ecological Interactions I, 2014 – present
 SBC309 Research Methods and Communication 2 (Rossberg), 2014 – present
 BIO209 Research Methods and Communication 1 (Le Comber), 2014 – present
 SBC206 Project Skills in the Life Sciences (Hirst), 2014 – present
 BIO191 Practical Molecular and Cellular Biology, 2014 – present
 Volunteer Assistant – WFC120 Biology of Fishes, 2011 – 2012
 (demonstrating a variety of sampling and processing techniques such as electrofishing, seining, minnow trapping on field trips to Putah Creek, Bodega Bay, Tomales Bay)
Module Organizer and Lecturer – ZOOL502 Skills and Concepts for Advanced Ecology, UBC, 2010
 Guest Lecturer: Aquatic Ecology, Biol 402, UBC, 2009 and 2011
 (involved lectures and teaching on multi-day field trips)
 Teaching Assistant: Study Design and Data Analysis, Biol 330, UVic, 2007 – 2008
 Teaching Assistant: Population Ecology, Biol 427, UVic, 2006
 Teaching Assistant: General Biology, Biol 190, UVic, 2004

PEER-REVIEWED PUBLICATIONS

* Corresponding author if not first; # Undergraduate or graduate student

- 1) Deeks[#], E., Kratina, P., Normande, I., da Silva Cerqueira, A., and Dawson, T.P. 2024. Proximity to freshwater and seagrass availability mediate the impacts of climate change

- on the distribution of the West Indian Manatee. **Latin American Journal of Aquatic Mammals**, Accepted (22nd NOV).
- 2) Neves[#], M.P., Delariva, R.L., Perkins, D.M., Fialho, C.B., and Kratina^{*}, P. 2024. Trophic plasticity of omnivorous fishes in natural and human-dominated landscapes. **Limnology and Oceanography**, 69(1): 189–202.
 - 3) Nash[#], L.N., Kratina^{*}, P., Recalde, F.C., Jones, J.I., Izzo, T., and Romero, G.Q. 2023. Tropical and temperate differences in the trophic structure and aquatic prey use of riparian predators. **Ecology Letters**, 26(12): 2122–2134.
 - Featured in [Science Daily](#), [Verve Times](#), [Nouvelles Du Monde](#), [Technology Networks](#)
 - 4) Rodríguez[#], A.M., Marchant[#], D.J., Francelle, P., Kratina, P., and Jones, J.I. 2023. Nutrient enrichment mediates the effect of biodegradable and conventional microplastics on macroinvertebrate communities. **Environmental Pollution**, 337: 122511.
 - 5) Nash[#], L.N., Zorzetti, L.W., Antiqueira, P.A.P., Carbone, C., Romero, G.Q. and Kratina^{*}, P. 2023. Latitudinal patterns of aquatic insect emergence driven by climate. **Global Ecology and Biogeography**, 32(8): 1323–1335.
 - 6) Marchant[#], D.J., Rodríguez[#], A.M., Francelle, P., Jones, J.I., and Kratina, P. 2023. Contrasting the effects of microplastic types, concentrations and nutrients on freshwater communities and ecosystem functioning. **Ecotoxicology and Environmental Safety**, 255: 114834.
 - 7) Kemp[#], V.A., Grey, J., Hemprich-Bennett, D., Rossiter, S.J., Lewis, O.T., Wilkinson, C.L., Clare, E.L., and Kratina^{*}, P. 2023. Changes in trophic ecology of mobile predators in response to rainforest degradation. **Journal of Applied Ecology**, 60(6): 1139–1148.
 - 8) Moi[#], D.A., Barrios, M., Tesitore, G., Burwood, M., Romero, G.Q., Mormul, R.P., Kratina, P., Juen, L., Michelan, T.S., Montag, L.F.A., Cruz, G.M., García-Girón, J., Heino, J., Hughes, R.M., Figueiredo, B.R.S., and Teixeira de Mello, F. 2023. Human land-uses homogenize stream assemblages and reduce animal biomass production. **Journal of Animal Ecology**, 92(6): 1176–1189.
 - 9) Vad, C.F., Hanny-Endrédi, A., Kratina, P., et al. 2023. Spatial insurance against a heatwave differs between trophic levels in experimental aquatic communities. **Global Change Biology**, 29(11): 3054 – 3071.
 - 10) Progenio[#], M., Antiqueira, P.A.P., Oliveira, F.R., Meira, B.R., Lansac-Toha, F.M., Rodrigues, L.C., Romero, G.Q., Nash[#], L.N., Kratina, P. and Velho, L.F.M. 2023. Effects of warming on the structure of aquatic communities in tropical bromeliad microecosystems. **Ecology and Evolution**, 13(2): e9824.
 - 11) Srivastava, D.S., MacDonald, A.A., Pillar, V.D., Kratina, P., et al. 2023. Geographical variation in the trait-based assembly patterns of multitrophic invertebrate communities. **Functional Ecology**, 37(1): 73 – 86.
 - 12) Marsh[#], J.E., Jones, J.I., Lauridsen, R.B., Grace, J.B. and Kratina, P. 2022. Direct and indirect influences of macrophyte cover on abundance and growth of juvenile Atlantic salmon. **Freshwater Biology**, 67(11): 1861 – 1872.
 - 13) Moi[#], D.A., Lansac-Tôha, F.M., Romero, G.Q., Sobral-Souza, T., Cardinale, B.J., Kratina, P., et al. 2022. Human pressure drives biodiversity-multifunctionality relationships in large Neotropical wetlands. **Nature Ecology and Evolution**, 6(9): 1279 – 1289.
 - Featured in [Nature Ecology and Evolution News and Views](#)

- 14) Romero, G.Q., ..., [Kratina](#), P., et al. 2022. Climate variability and aridity modulate the role of leaf shelters for arthropods: a global experiment. **Global Change Biology**, 28(11): 3694 – 3710.
- 15) Moi[#], D.A., Romero, G.Q., Jeppesen, E., [Kratina](#), P., Alves, D., Antigueira, P.A.P., Teixeira de Mello, F., Figueiredo, B., Bonecker, C., Pires, A., Braghin, L.M. and Mormul, R.P. 2022. Regime shifts in a shallow lake over 12 years: Consequences for taxonomic and functional diversity, and ecosystem multifunctionality. **Journal of Animal Ecology**, 91(3): 551 – 565.
- 16) Burian, A., Pinn[#], D., Peralta-Maraver, I., Sweet, M., Mauvisseau, Q., Eyice, O., Bulling, M., Röthig, T. and [Kratina](#)^{*}, P. 2022. Predation increases multiple components of microbial diversity in activated sludge communities. **The ISME Journal**, 16: 1086 – 1094.
 - Featured in [The ISME Blog Post](#)
- 17) [Kratina](#), P., Rosenbaum, B., Gallo, B., Horas, E.L. and O’Gorman, E.J. 2022. The combined effects of warming and body size on the stability of predator-prey interactions. **Frontiers in Ecology and Evolution**, 9: 772078.
- 18) Marchant[#], D.J., Jones, J.I., Zemelka, G., Eyice, O. and [Kratina](#), P. 2022. Do microplastics mediate the effects of chemicals on aquatic organisms? **Aquatic Toxicology**, 242: 106037.
 - Featured in [Interreg Website](#).
- 19) Pereira, C.C., ..., [Kratina](#), P., et al. 2022. Subtle structures with not-so-subtle functions: A dataset of arthropod constructs and their host plants. **Ecology**, 103(4): e3639.
- 20) Marsh[#], J.E., Lauridsen, R.B., Gregory, S.D., [Kratina](#), P., Scott, L.J., Cooling, D., and Jones, J.I. 2022. High summer macrophyte cover increases abundance, growth and feeding of juvenile Atlantic salmon. **Ecological Applications**, 32(2): e02492.
- 21) Hemprich-Bennett[#], D.R., Kemp[#], V.A., Blackman, J., Lewis, O.T., Struebig, M.J., Bernard, H., [Kratina](#), P., Rossiter, S.J., and Clare, E.L. 2021. Selective logging shows no impact on the dietary breadth of a generalist bat species: the fawn leaf-nosed bat (*Hipposideros cervinus*). **Frontiers in Ecology and Evolution**, 9: 750269.
- 22) Romero, G.Q., Moi, D.A., Nash[#], L.N., Antigueira, P.A.P., Mormul, R.P. and [Kratina](#), P. 2021. Pervasive decline of subtropical aquatic insects over 20 years driven by water transparency, non-native fish and stoichiometric imbalance. **Biology Letters**, 17(6): 20210137.
 - Featured in [The Conversation](#), [SciTechDaily](#).
- 23) Nash[#], L.N., Antigueira, P.A.P., Romero, Q.G., Omena, P.M. and [Kratina](#)^{*}, P. 2021. Warming of aquatic ecosystems disrupts aquatic-terrestrial linkages in the tropics. **Journal of Animal Ecology**, 90(7): 1623 – 1634.
 - Featured in [Nature Climate Change](#), [J. Anim. Ecol.](#), [Blog Post](#).
- 24) Tan[#], H., Hirst, A.G., Atkinson, D. and [Kratina](#)^{*}, P. 2021. Body size and shape responses to warming and resource competition. **Functional Ecology**, 35(7): 1460 – 1469.
- 25) Neves[#], M.P., [Kratina](#)^{*}, P., Delariva, R.L., Jones, J.I. and Fialho, C.B. 2021. Seasonal feeding plasticity can facilitate coexistence of dominant omnivores in Neotropical streams. **Reviews in Fish Biology and Fisheries**, 31(2): 417 – 432.

- 26) Saito, V.S., Perkins, D.M. and Kratina, P. 2021. A metabolic perspective of stochastic community assembly. **Trends in Ecology and Evolution**, 36(4): 280 – 283.
- 27) Peralta-Maraver, I., Stubbington, R., Arnon, S., Kratina, P., et al. 2021. The riverine bioreactor: An integrative perspective on biological decomposition of organic matter across riverine habitats. **Science of the Total Environment**, 772: 145494.
- 28) Wilkinson, C.L., Chua, K.W.J., Fiala[#], R., Liew, J.H., Kemp[#], V., Fikri, A.H., Ewers, R.M., Kratina, P. and Yeo, D.C.J. 2021. Forest conversion to oil palm compresses food chain length in tropical streams. **Ecology**, 102(1): e03199.
- 29) Guzman, L.M., Trzcinski, M.K., ..., Kratina, P. et al. 2021. Climate influences the response of community functional traits to local conditions in bromeliad invertebrate communities. **Ecography**, 44(3): 440 – 452.
- 30) Romero, Q.G., ..., Kratina, P., O’Gorman, E.J. and Srivastava, D.S. 2020. Extreme rainfall events alter the trophic structure in bromeliad tanks across the Neotropics. **Nature Communications**, 11(1): 3215.
- 31) Bernhardt, J.R., Kratina, P., Pereira, A.L., Tamminen, M., Thomas, M.K. and Narwani, A. 2020. The evolution of competitive ability for essential resources. **Philosophical Transactions of the Royal Society B**, 375(1798): 20190247.
- 32) Lewington-Pearce[#], L., Parker[#], B., Narwani, A., Nielsen, M.J. and Kratina^{*}, P. 2020. Diversity and temperature indirectly reduce CO₂ concentrations in experimental freshwater communities. **Oecologia**, 192(2): 515 – 527.
- 33) Evans[#], L.E., Hirst, A.G., Kratina, P. and Beaugrand, G. 2020. Temperature-mediated changes in zooplankton body size: large scale temporal and spatial analysis. **Ecography**, 43(4): 581 – 590.
- 34) Marsh[#], J.E., Gregory, S.D., Beaumont, W.R.C., Scott, L.J., Kratina, P., Lauridsen, R.B. and Jones, J.I. 2020. Above parr: lowland river habitat characteristics associated with higher juvenile Atlantic salmon (*Salmo salar*) and brown trout (*S. trutta*) densities. **Ecology of Freshwater Fish**, 29: 542 – 556.
- 35) Marino, N.A.C., Céréghino, R., Gilbert, B., Petermann, J.S., ..., Kratina, P., et al. 2020. Species niches, not traits, determine abundance and occupancy patterns: a multi-site synthesis. **Global Ecology and Biogeography**, 29(2): 295 – 308.
- 36) Rossberg, A.G., Gaedke, U. and Kratina^{*}, P. 2019. Dome patterns in pelagic size spectra reveal strong trophic cascades. **Nature Communications**, 10(1): 4396.
- 37) Kratina, P., Watts[#], T.J., Green, D.S., Kordas, R.L. and O’Gorman, E.J. 2019. Interactive effects of warming and microplastics on metabolism but not feeding rates of a key freshwater detritivore. **Environmental Pollution**, 255(2): 113259.
- 38) Lewington-Pearce[#], L., Narwani, A., Thomas, M., Kremer, C.T., Vogler, H. and Kratina^{*}, P. 2019. Temperature-dependence of minimum resource requirements alters competitive hierarchies in phytoplankton. **Oikos**, 128(8): 1194 – 1205.
- 39) Price[#], E.L., Sertić Perić, M., Romero, G.Q. and Kratina^{*}, P. 2019. Land use alters trophic redundancy and resource flow through stream food webs. **Journal of Animal Ecology**, 88: 677 – 689.

- 40) Ladino[#], G., Ospina-Bautista, F., Estévez Varón, J., Jerabkova, L. and Kratina, P. 2019. Ecosystem services provided by bromeliad plants: A systematic review. **Ecology and Evolution**, 9(12): 7360 – 7372.
- 41) Pennekamp, F., Iles, A.C., Garland, J., Brennan, G., Brose, U., Gaedke, U., Jacob, U., Kratina, P., Matthews, B., Munch, M., Novak, M., Palamara, G.M., Rall, B., Rosenbaum, B., Tabi, A., Ward, C., Williams, R., Ye, H. and Petchey, O.L. 2019. The intrinsic predictability of ecological time series and its potential to guide forecasting. **Ecological Monographs**, 89(2): e01359.
- 42) Romero, G.Q., Gonçalves-Souza, T., Kratina, P., Marino, N.A.C., Petry, W.K., Sobral-Souza, T. and Roslin, T. 2018. Global predation pressure redistribution under future climate change. **Nature Climate Change**, 8(12): 1087 – 1091.
- 43) Ma, A., Bohan, D.A., Canard, E., Derocles, S., Gray, C., Lu, X., Macfadyen, S., Romero, G.Q. and Kratina*, P. 2018. A replicated network approach to “Big Data” in ecology. **Advances in Ecological Research**, 59: 225 – 264.
- 44) Nielsen, M.J., Clare, L.E., Hayden, B., Brett, T.M. and Kratina*, P. 2018. Diet tracing in ecology: Method comparison and selection. **Methods in Ecology and Evolution**, 9: 278 – 291.
- 45) Hammill, E., Hawkins, C.P., Greig, H.S., Kratina, P., Shurin, J.B. and Atwood, T.B. 2018. Landscape heterogeneity strengthens the relationship between β -diversity and ecosystem function. **Ecology**, 99: 2467 – 2475.
- 46) Céréghino, R., Pillar, V.D., Srivastava, D.S., Omena, P.M., MacDonald, A.A., Barberis, I.M., Corbara, B., Guzman, M., Leroy, C., Ospina Bautista, F., Romero, G.Q., Trzcinski, K.M., Kratina, P. et al. 2018. Constraints on the functional trait space of aquatic invertebrates in bromeliads. **Functional Ecology**, 32: 2435 – 2447.
- 47) Worischka, S., Richter, L., Hänig, A., Hellmann, C., Becker, J., Kratina, P. and Winkelmann, C. 2018. Food consumption of the invasive amphipod *Dikerogammarus villosus* in field mesocosms and its effects on leaf decomposition and periphyton. **Aquatic Invasions**, 13: 261 – 275.
- 48) Kratina, P., Petermann, J.S., Marino, N.A.C., MacDonald, A.M. and Srivastava, D.S. 2017. Environmental control of the microfaunal community structure in tropical bromeliads. **Ecology and Evolution**, 7: 1627 – 1634.
- 49) Atwood, T., Hammill, E., Kratina, P., Greig, H.S., Shurin, J.B. and Richardson, J.S. 2015. Warming alters food web-driven changes in the CO₂ flux of experimental pond ecosystems. **Biology Letters**, 11: 20150785.
- 50) Kratina, P. and Winder, M. 2015. Biotic invasions can alter nutritional composition of zooplankton communities. **Oikos**, 124: 1337 – 1345.
- 51) Hammill, E., Kratina, P., Vos., M., Petchey, O.L. and Anholt, B.R. 2015. Food web persistence is enhanced by non-trophic interactions. **Oecologia**, 178: 549 – 556.
- 52) Petermann, J., Kratina, P., Marino, N., MacDonald, A. and Srivastava, D.S. 2015. Resources alter the structure and increase stochasticity in bromeliad microfauna communities. **PLoS ONE**, 10(3): e0118952.
- 53) DeLong, J.P., Gilbert, B., Shurin, J.B., Savage, V., Barton, B.T., Clements, C.F., Dell, A.I., Greig, H.S., Harley, C.D.G., Kratina, P., McCann, K.S., Tunney, T.D., Vasseur, D.A.

- and O'Connor, M.I. 2015. The body-size dependence of trophic cascades. **The American Naturalist**, 185: 354 – 366.
- 54) Petermann, J.S., Farjalla, V.F., Jocque, M., Kratina, P., MacDonald, A., Marino, N., de Omena, P.M., Piccoli, G., Richardson, B.A., Richardson, M.J., Romero, G.Q., Videla, M. and Srivastava, D.S. 2015. Dominant predators mediate the impact of habitat size on trophic structure in bromeliad invertebrate communities. **Ecology**, 96: 428 – 439.
- 55) Kratina, P., Mac Nally, R., Kimmerer, W.J., Thomson, J.R. and Winder, M. 2014. Human-induced biotic invasions and changes in plankton interaction networks. **Journal of Applied Ecology**, 51: 1066 – 1074.
- 56) LeCraw[#], R.M., Kratina^{*}, P. and Srivastava, D.S. 2014. Food web complexity and stability across habitat connectivity gradients. **Oecologia**, 176: 903 – 915.
- 57) Vasseur, D.A., Fox, J.W., Gonzalez, A., Adrian, R., Beisner, B.E., Helmus, M.R., Johnson, C., Kratina, P., Kremer, C., de Mazancourt, C., Miller, E., Nelson, W.A., Paterson, M., Rusak, J.A., Shurin, J.B. and Steiner, C.F. 2014. Synchronous dynamics of zooplankton competitors prevail in temperate lake ecosystems. **Proceedings of the Royal Society B**, 281: 20140633.
 • Recommended by Faculty of 1000
- 58) Gilbert, B., Tunney, T.D., McCann, K.S., DeLong, J.P., Vasseur, D.A., Savage, V., Shurin, J.B., Dell, A.I., Barton, B.T., Harley, C.D.G., Kharouba, H.M., Kratina, P., Blanchard, J.L., Clements, C., Winder, M., Greig, H.S. and O'Connor, M.I. 2014. A bioenergetic framework for the temperature dependence of trophic interactions. **Ecology Letters**, 17: 902 – 914.
- 59) Atwood, T., Hammill, E., Greig, H.S., Kratina, P., Shurin, J.B., Srivastava, D.S. and Richardson, J.S. 2013. Predator-induced reduction in freshwater carbon dioxide emissions. **Nature Geoscience**, 6: 191 – 194.
 • Recommended by Faculty of 1000; Featured in New Scientist, Science News, Science Daily, Mother Jones, The Vancouver Sun
- 60) Srivastava, D.S. and Kratina, P. 2013. Is dispersal limitation more prevalent in the ocean? **Oikos**, 122: 298 – 300.
- 61) Kratina, P., Greig, H.S., Thompson, P.L., Carvalho-Pereira, T.S.A. and Shurin, J.B. 2012. Warming modifies trophic cascades and eutrophication in experimental freshwater communities. **Ecology**, 93: 1421 – 1430.
- 62) Shurin, J.B., Clasen, J., Greig, H.S., Kratina, P. and Thompson, P.L. 2012. Warming shifts top-down and bottom-up control of pond food web structure and function. **Philosophical Transactions of the Royal Society B**, 367: 3008 – 3017.
- 63) Kratina, P., LeCraw, R.M., Ingram, T. and Anholt, B.R. 2012. Stability and persistence of food webs with omnivory: Is there a general pattern? **Ecosphere**, 3(6): 50.
- 64) Greig^{*}, H.S., Kratina^{*}, P., Thompson, P.L., Palen, W.J., Richardson, J.S. and Shurin, J.B. 2012. Warming, eutrophication, and predator loss amplify subsidies between aquatic and terrestrial ecosystems. **Global Change Biology**, 18: 504 – 514.
 *Shared first authorship
- 65) Ingram, T., Svanbäck, R., Kraft, N.J.B., Kratina, P., Southcott, L. and Schluter, D. 2012. Intraguild predation drives evolutionary niche shift in threespine stickleback. **Evolution**, 66: 1819 – 1832.

- 66) Kratina, P., Hammill, E. and Anholt, B.R. 2010. Stronger inducible defenses enhance persistence of intraguild prey. **Journal of Animal Ecology**, 79: 993 – 999.
- 67) Hammill, E., Kratina, P., Beckerman, A.P. and Anholt, B.R. 2010. Precise time interactions between behavioral and morphological defences. **Oikos**, 119: 494 – 499.
- 68) Kratina, P., Vos, M., Bateman, A. and Anholt, B.R. 2009. Functional responses modified by predator density. **Oecologia**, 159: 425 – 433.
- 69) Hammill, E., Kratina, P. and Anholt, B.R. 2009. Non-lethal presence of predators modifies morphology and movement rates in *Euplotes*. **Hydrobiologia**, 621: 183 – 189.
- 70) Kratina, P., Vos, M. and Anholt, B.R. 2007. Species diversity modulates predation. **Ecology**, 88: 1917 – 1923.

NON-PEER-REVIEWED PUBLICATIONS

- 1) Wilkinson, C.L., Chua, K.W.J., Fiala[#], R., Liew, J.H., Kemp[#], V., Fikri, A.H., Ewers, R.M., Kratina, P. and Yeo, D.C.J. 2021. Forest conversion to oil palm compresses food chain length in tropical streams. **Bulletin of the Ecological Society of America**, 102(2): e01826.
- 2) Ripple, W.J., et al. (Kratina, P. signatory). 2020. World scientists' warning of a climate emergency. **Bioscience**, 70(1): 8 – 12.
- 3) Jones, J.I., Murphy, J.F., Roy, H., Harrower, C., Kratina, P., Peyton, J., Pretty, J.L. and Rorke, S. 2018. Linking the presence of invasive alien species to measures of ecological quality, pp: 1-176. Environmental Agency, Horizon House, Bristol, UK.
- 4) Greig, H.S. and Kratina, P. 2010. Understanding the effects of climate change on freshwater ecosystems. *Branchlines*, 21(2): 18 – 19.
- 5) Kratina, P. 2009. Adding complexity to predator-prey interactions: feeding with conspecifics on heterogeneous prey. University of Victoria, Victoria (Dissertation). External examiner: Dr. Kevin McCann.
- 6) Kratina, P. 1997. Community dynamics of ground beetles (*Carabidae*) inhabiting epigeon of agricultural ecosystems. Palacky University, Olomouc (Thesis).

SELECTED PRESENTATIONS

- 1) Kratina, P., Nash, L.N., Romero, Q.G., Recalde, C.F., Jones, J.I., Izzo, T. Tropical and temperate differences in aquatic prey use, trophic structure, and diversity of riparian communities. (talk) Annual Meeting British Ecological Society (BES), 12. – 15.12. 2023, Belfast, UK.
- 2) Kratina, P. (**Keynote speaker**), The effect of climate warming on aquatic-terrestrial linkages in temperate and tropical regions. 11.12.2023, International V Workshop Environmental Research and Resilience. RIPERC On-line Panel Webinar (4 panellists) on Climate Change and Biodiversity: Scenarios and Perspectives, Brazil. <https://www.unioeste.br/portal/ceped/rede-resiliencia/eventos-organizados/v-workshop-2023>

- 3) Kratina, P. (**Keynote speaker**), Linking aquatic and terrestrial ecosystems impacted by climate warming. 21.11.2023, Ameaças à conservação da biodiversidade Webinar, Universidade Federal Rural de Pernambuco, Recife, Brazil.
- 4) Kratina, P. Career pathway toward the international ecological research. (**Keynote speaker**), 15.9. 2023, Czexpats in Science: Uniting Czech Scientists with international Experience, Embassy of the Czech Republic in London, UK.
- 5) Kratina, P., Nash, L.N., Romero, Q.G., Recalde, C.F., Jones, J.I., Izzo, T., Tropical and temperate differences in aquatic prey use, trophic structure, and diversity patterns of riparian communities. (talk) 52nd Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), 11. – 14.9. 2023, Leipzig, Germany.
- 6) Kratina, P. Aquatic-terrestrial linkages under a changing climate. (**Invited speaker**), 2.8. 2023, Institute of Aquatic Research, Centre for Ecological Research, Budapest, Hungary.
- 7) Kratina, P. Aquatic ecosystems in a future warmer world. (**Invited speaker**), 25.11. 2022, Federal University of Ceará (UFC), Fortaleza, Brazil.
- 8) Kratina, P. Aquatic ecosystems in a future warmer world. (**Invited speaker**), 17.11. 2022, Rural Federal University of Pernambuco (UFRPE), Recife, Brazil.
- 9) Kratina, P., Burian, A., Pinn, D., Peralta-Maraver, I., Sweet, M., Mauvisseau, Q., Eyice, O., Bulling, M., Röthig, T. Predation increases multiple components of microbial diversity in activated sludge communities. (talk), SIL100, 36th Congress of the International Society of Limnology, 7. – 10.8. 2022, Berlin, Germany.
- 10) Kratina, P. Climate-mediated changes to trophic interactions. (**Invited speaker**), 7.4. 2022, INRAE, Aix-Marseille University, UMR RECOVER, Aix-en-Provence, France.
- 11) Kratina, P., Rosenbaum, B., Gallo, B., Horas, E.L. and O’Gorman, E.J. The combined effects of warming and body size on the stability of predator-prey interactions. (talk) Annual Meeting British Ecological Society (BES), 13. – 15.12. 2021, Liverpool, UK.
- 12) Neves, P.M., Kratina, P., Delariva, R.L. and Fialho, C.B. Seasonal shifts in feeding and assimilation of *Astyanax* fishes (Characidae) from Lower Iguaçu River basin, Brazil. (talk) Brazilian Congress of Zoology, 2.3. – 6.3. 2020, Águas de Lindóia, São Paulo, Brazil.
- 13) Kratina, P. The temperature dependence of trophic interactions. (**Invited speaker**), 18.11. 2019, Anglia Ruskin University, Cambridge, UK.
- 14) Kratina, P. Workshop on diet tracing in ecology. (**Organizer and lecturer**), 30.-31.10. 2019, University of South Bohemia, Ceske Budejovice, Czech Republic.
- 15) Kratina, P. The temperature dependence of biotic interactions. (**Keynote speaker**), 29.10. 2019, Institute of Hydrobiology and Biology Centre of the Czech Academy of Sciences, Ceske Budejovice, Czech Republic.
- 16) Kratina, P., Sertić Perić, M., Price, E.L. and Romero, G.Q. Urbanization reduces trophic redundancy and alters resource flow through stream food webs. (talk) Symposium for European Freshwater Sciences (SEFS11), 30.6. – 5.7. 2019, Zagreb, Croatia.
- 17) Kratina, P., Breen, H. Knell, R.J. and Hirst, A. Warming can disrupt plastic phenotypic responses to predation. (poster) Gordon Research Conference, Unifying Ecology Across Scales, 22. – 27.7. 2018, Biddeford, Massachusetts, USA.

- 18) Koester, M., Winkelmann, C., Kratina, P., Becker, J., Grey, J., Worischka, S. and Hellmann, C. The invasive aquatic *Dikerogammarus villosus* – a dangerous killer or an opportunistic omnivore? (talk) IsoEcol Meeting, 30.6. – 3.7. 2018, Viña del Mar, Chile.
- 19) Kratina, P. Tank bromeliads as natural model microecosystems. (**Invited speaker**), 16.8. 2018, Institute of Hydrobiology BC CAS and of the Czech Limnological Society, Ceske Budejovice, Czech Republic.
- 20) Kratina, P. Food web structure and ecosystem function under climate warming. (**Invited speaker**), 30.4. 2018, Facultad de Ciencias Naturales y Exactas, Universidad del Valle, Cali, Colombia.
- 21) Kratina, P., Breen, H. Knell, R.J. and Hirst, A. Warming can disrupt plastic phenotypic responses to predation. (talk) Annual Meeting British Ecological Society (BES), 11. – 14.12. 2017, Ghent, Belgium.
- 22) Perić, M.S., Mikulčić, M., Dražina, T. Dragun, Z., Kepčija, R.M., Nielsen, J.M., Liu, C.F., Rončević, S., Primc, B. and Kratina, P. Stream food-web changes along multiple gradients of urban stress. (talk) 10th Symposium for European Freshwater Sciences (SEFS10), 2.7. – 7.7. 2017, Olomouc, Czech Republic.
- 23) Kratina, P., Breen, H. Knell, R.J. and Hirst, A. Warming can disrupt plastic phenotypic responses to predation. (talk) Association for the Sciences of Limnology and Oceanography (ASLO) Meeting, 26.2. – 3. 3. 2017, Honolulu, Hawaii, USA.
- 24) Lewington-Pearce, L., Parker, B., Narwani, A. and Kratina, P. Diversity and temperature indirectly reduce CO₂ concentrations in experimental freshwater communities. (talk) Association for the Sciences of Limnology and Oceanography (ASLO) Meeting, 26.2. – 3. 3. 2017, Honolulu, Hawaii, USA.
- 25) Grunicke, F., Winkelmann, C., Liu, C. F., Kratina, P., Becker, J., Worischka, S. and Hellmann, C. *Dikerogammarus villosus* in newly invaded ecosystems – a dangerous killer or a harmless herbivore? (poster) Annual Meeting of the German Society of Limnology & SIL Austria, 26. – 30.9. 2016, Vienna, Austria.
- 26) Kratina, P. Indirect effects of climate warming in freshwater ecosystems. (**Keynote speaker**) British Ecological Society Aquatic Group Annual Meeting, 22. 7. 2016, Charles Darwin House, London, UK.
- 27) Kratina, P. Indirect impacts of climate warming in pelagic and benthic food webs. (**Keynote speaker**) Central European Symposium for Aquatic Macroinvertebrate Research (CESAMIR), 3. – 8. 7. 2016, Pécs, Hungary.
<http://cesamir.ttk.pte.hu/programme.html>
- 28) Kratina, P. What drives microfauna community structure in bromeliad phytotelmata? (talk) Annual Meeting of the Association for Tropical Biology and Conservation (ATBC), 19. – 23. 6. 2016, Montpellier, France.
- 29) Kratina, P. Indirect effects of climate warming in freshwater ecosystems. (**Invited speaker**), 1.6. 2016, WasserCluster Lunz, Lunz am See, Austria.
- 30) Kratina, P. The impacts of climate warming on food web structure, community dynamics and ecosystem function. (**Invited speaker**), 26.5. 2016, Institute of Hydrobiology BC CAS and of the Czech Limnological Society, Ceske Budejovice, Czech Republic.

- 31) Kratina, P. Top-down and bottom-up regulation of communities under climate warming. **(Invited speaker)**, 25.2. 2016, University of Roehampton, London, UK.
- 32) Kratina, P. Combined impacts of local and global environmental change in freshwater food webs. **(Invited speaker)**, 29.9. 2015, Universidade Estadual de Campinas (UNICAMP), Campinas-SP, Brazil.
- 33) Kratina, P., Mac Nally, R., Thomson, J.R. and Winder, M. Biotic invasions can alter interaction networks and nutritional composition of zooplankton communities. (talk) Aquatic Biodiversity and Ecosystem Conference (ABEC), 30. 8. – 4. 9. 2015, Liverpool, UK.
- 34) Kratina, P., Mac Nally, R., Thomson, J.R. and Winder, M. Changes to interaction networks and nutritional composition associated with species invasions. (talk) Association for the Sciences of Limnology and Oceanography (ASLO) Meeting, 22. – 27. 2. 2015, Granada, Spain.
- 35) Kratina, P. Invasive copepods modulate networks of biotic interactions and community-level nutritional quality. (talk) Joint Annual Meeting British Ecological Society and Societe Francaise d'Ecologie, 9. – 12.12. 2014, Lille, France.
- 36) Kratina, P. Food web structure and function in a warmer world. **(Invited speaker)**, 4.12. 2014, University of Essex, Colchester, UK.
- 37) Kratina, P., Mac Nally, R., Thomson, J.R. and Winder, M. Qualitative and quantitative changes of plankton communities in a highly invaded estuary. (talk) The 99th Annual Meeting of the Ecological Society of America (ESA), 10. – 15.8. 2014, Sacramento, CA, USA.
- 38) Kratina, P. Warming alters community dynamics, structure, and function. **(seminar speaker)** LimnoLab, School of Biological Sciences, Monash University, 26. 2. 20013, Melbourne, Australia.
- 39) O'Connor, M., Kratina, P. et al. Linking theory and experiments: A meta-analysis of multi-trophic warming experiments. (talk) The 98th Annual Meeting of the Ecological Society of America (ESA), 4. – 9.8. 2014, Minneapolis, Minnesota, USA.
- 40) Kratina, P. and Winder, M. Invasive zooplankton alter nutritional prey quality for fish in San Francisco Estuary. (talk) The 7th Biennial Bay-Delta Science Conference, 16. – 18.10. 2012, Sacramento, CA, USA.
- 41) Kratina, P. and Winder, M. Shifts in zooplankton species composition affect nutritional food quality for fish. (talk) The 97th Annual Meeting of the Ecological Society of America (ESA), 5. – 10.8. 2012, Portland, OR, USA.
- 42) Petermann, J., Kratina, P. and Srivastava, D.S. The diversity of small things: Trophic control and dispersal in Costa Rican bromeliad protists. (talk) The 97th Annual Meeting of the Ecological Society of America (ESA), 5. – 10.8. 2012, Portland, OR, USA.
- 43) Kratina, P. From simple to complex food webs: mechanistic understanding of species interactions. **(Invited speaker)** ICBM-Kolloquium, Fakultät v Mathematik und Naturwissenschaften, 19.1. 2011, Oldenburg, Germany.
- 44) Kratina, P., Greig, H.S. Interactive effects of global change stressors on aquatic food webs. **(seminar speaker)** Biodiversity Seminar, University of British Columbia, 1. 11. 2010, Vancouver, Canada.

- 45) Greig, H.S., Kratina, P., Thompson, P.L., Shurin, J.B. and Richardson, J.S. The interactive effects of warming, predation and eutrophication on the exchange of resources between aquatic and terrestrial environments. (talk) The 58th Annual Meeting of the Entomological Society of America, 12. – 15.12. 2010, San Diego, CA, USA.
- 46) Kratina, P., Greig, H.S., Thompson, P.L., Pereira, T.C. and Shurin, J.B. Warming and eutrophication strengthen trophic cascades in freshwater food webs. (talk) The 95th Annual Meeting of the Ecological Society of America (ESA), 1. – 6.8. 2010, Pittsburgh, PA, USA.
- 47) Greig, H.S., Kratina, P., Thompson, P.L., Shurin, J.B. and Richardson, J.S. Warming, predation and nutrient enrichment alter the exchange of aquatic-terrestrial resource subsidies. (poster) The 95th Annual Meeting of the Ecological Society of America (ESA), 1. – 6.8. 2010, Pittsburgh, PA, USA.
- 48) Kratina, P. Trophic interactions in simple versus complex communities. (**seminar speaker**) Freshwater Seminar, Department of Zoology, University of British Columbia, 3. 11. 2009, Vancouver, Canada.
- 49) Kratina, P., Hammill, E. and Anholt, B.R. Inducible defenses enhance persistence of intraguild prey. (talk) Canadian Society of Ecology and Evolution (CSEE) meeting, 14. – 16.5. 2009, Halifax, Canada.
- 50) Kratina, P. Incorporating biological realism in predator-prey models. (**seminar speaker**) Department of Biology, UVic, 27. 2. 2009, Victoria, Canada.
- 51) Kratina, P., Hammill, E. and Anholt, B.R. Stronger inducible defenses enhance persistence of intraguild prey. (talk) SFU/UBC/UVic Ecology and Evolution Retreat, 31.10. – 2.11. 2008, Brackendale, Canada.
- 52) Kratina, P., Vos, M. and Anholt, B.R. Predation defined by predators, prey, and non-prey. (talk) Annual Meeting of the British Ecological Society (BES), 3. – 5.9. 2008, Imperial College, London, UK.
- 53) Hammill, E., Kratina, P. and Anholt, B.R. Ecology and evolution of inducible defenses in two closely related species of *Euplotes*. (talk) Annual Meeting of the British Ecological Society (BES), 3. – 5.9. 2008, Imperial College, London, UK.
- 54) Kratina, P., Vos, M. and Anholt, B.R. Functional responses modified by indirect effects. (talk) Canadian Society of Ecology and Evolution (CSEE) meeting, 11. – 14.5. 2008, Vancouver, Canada.
- 55) Kratina, P. Functional responses and model selection in ecology. (**Invited speaker**) Department of Mathematics and Statistics, UVic, 7.12. 2007, Victoria, Canada.
- 56) Kratina, P., Vos, M. and Anholt, B.R. Consumer-resource interactions in simple versus complex systems. (**Invited speaker**) Netherlands Institute of Ecology (NIOO-KNAW), 20.2. 2007, Nieuwersluis, Netherlands.
- 57) Kratina, P., Vos, M. and Anholt, B.R. Does species diversity modulate predation? (talk) SFU/UBC/UVic Ecology and Evolution Retreat, 25. – 26.11. 2006, Brackendale, Canada.
- 58) Vos, M., Kratina, P. and Anholt, B.R. How diversity modulates predation and species persistence in food webs. (talk) Food webs, biodiversity and ecosystem functioning, 27.9. 2006, Utrecht University, Netherlands.

- 59) Vos, M., Kooi, B., Kratina, P. and Anholt, B.R. Non-prey species and the diversity-stability debate. (poster) The Peter Yodzis Colloquium in Fundamental Ecology, "Biodiversity, Structure, and Function", 17. – 18.5. 2006, Guelph, Canada.
- 60) Kratina, P., Vos, M. and Anholt, B.R. Community level consequences of non-prey species diversity. (talk) Pacific Ecology and Evolution Conference, 3. – 5.3. 2006, Bamfield, Canada.
- 61) Vos, M., Kooi, B., Kratina, P. and Anholt, B.R. Non-prey species and the diversity-stability debate. (poster) SFU/UBC/UVic Ecology and Evolution Retreat, 5. – 6.11. 2005, Brackendale, Canada.
- 62) Kratina, P., Altwegg, R. and Anholt, B.R. Intra-specific variation of morphological inducible defense in the hypotrich ciliate *Euplotes*. (poster) SFU/UBC/UVic Ecology and Evolution Retreat, 5. – 6.11. 2005, Brackendale, Canada.
- 63) Kratina, P., Altwegg, R. and Anholt, B.R. Intra-specific variation of morphological inducible defense in the hypotrich ciliate *Euplotes*. (poster) IX International Congress of Ecology joint with the 90th Annual Meeting of the Ecological Society of America (ESA), 6. – 12.8. 2005, Montreal, Canada.

PROFESSIONAL AFFILIATIONS

The Ecological Society of America (ESA), 2005, 2008 – present
 The British Ecological Society (BES), 2008, 2014 – present
 The Canadian Society of Ecology and Evolution (CSEE), 2008 – present
 The Association for the Sciences of Limnology and Oceanography ASLO, 2012 – present

WORKING GROUPS, WORKSHOPS, AND COLLABORATION

Predator and prey richness at contrasting spatial scales – Working Group Leader, Centre for the Synthesis and Analysis of Biodiversity (CESAB). Montpellier, France, 04-08.7. 2022.

GERIS workshop – Evolving communities: plastic responses to changing ecosystems, QMUL, London, UK, 05/2022.

sScaleWebs working group – Unifying environmental and spatial determinants of food web structure across spatial scales, sDiv, Leipzig, Germany, 12/2018 – 04/2022.

Freshwater Ecosystem Services working group in Florianopolis, Brazil, 01/2019.

Bromeliad Food Webs working group participant. Petrópolis, Brazil, 07/2017.

Synthesizing predictability research of ecological dynamics. sDiv, Leipzig, Germany, 11/2016.

The Functional Diversity of Food Webs: Linking Ecology, Physiology and Biogeography (FunctionalWebs) working group participant, Centre for the Synthesis and Analysis of Biodiversity (CESAB). Aix-en-Provence, France, 11/2015 – 5/2018.

Bromeliad Food Webs working group participant. Paraty, Brazil, 09/2015.

Synthesizing Theory and Databases to Advance a General Framework for How Warming Affects Trophic Interactions. National Center for Ecological Analysis and Synthesis (NCEAS) working group participant. I contributed to the successful grant proposal and I am also leading a sub-group to synthesize global databases. Santa Barbara, USA, 12/2012 – 12/2014.

Endeavour Fellowship to work for five months with Prof. Ross Thompson, Prof. Ralph Mac Nally, and Prof. John Beardall at the School of Biological Sciences, Monash University, Australia, 11/2012 – 05/2013.

Integrating Body Size and Thermal Scaling to Understand the Effects of Temperature on Food Webs. Canadian Institute of Ecology and Evolution (CIEE/ICEE) working group co-organizer, Vancouver, British Columbia, 01/2012 – 12/2012.

Bromeliad Food Webs working group participant. Vancouver, Canada, 01/2011.

Visiting the Plankton Ecology Lab of Dr. Helmut Hillebrand & Dr. Robert Ptacnik, ICBM, University of Oldenburg, Germany, 01 – 02/2011.

Multi-scale Analysis of Plankton Diversity and Dynamics. Canadian Institute of Ecology and Evolution (CIEE/ICEE) working group participant, Toronto, 2010 – 2011.

Analysis of Time-Series Data Using State-Space and Hierarchical Modeling (MARSS package in R). Instructors: E. E. Holmes and E. J. Ward, NOAA Fisheries. ESA Pittsburgh, USA, 08/2010.

Models in Ecology Workshop (using R). Instructors: Dr. Mark Lewis and Dr. Martin Krkosek, Bamfield Marine Science Centre, Canada, 08/2009.

The Netherlands Institute of Ecology (NIOO-KNAW), Department of Food Web Studies, Centre for Limnology – visiting Ph.D. student. Performing chemostat experiments that investigated stability and persistence of plankton communities across a diversity gradient. Nieuwersluis, 01/2007 – 03/2007.

ACADEMIC SERVICE

The London NERC DTP, Management board member, 2015 – 2021.

Communications Officer for British Ecological Society Aquatic Group (BESAG), 2015 – 2018.

Associate Editor for Ecology and Evolution, 2014 – present.

Review Editor for Frontiers in Ecology and Evolution, 2014 – present.

Peer Reviewer (Grants): Natural Environmental Research Council (NERC) – five times, European Research Council - ERC Starting Grant 2023, French National Research Agency (ANR) – two times, British Ecological Society (BES) Small Research Grant – two times, Czech Science Foundation (CSF), Research Grants Council of Hong Kong – General Research Fund (GRF), Austrian Science Fund (FWF).

Peer Reviewer: REF 2020 Dry Run Impact Case Study.

Peer Reviewer for > 20 journals, including: Annals of the Brazilian Academy of Sciences, American Naturalist, Aquatic Ecology, Canadian Journal of Zoology, Ecological Applications, **Ecological Monographs**, Ecology*, **Ecology Letters***, Ecosphere*, Environmental Pollution, Frontiers in Ecology and Evolution*, Functional Ecology*, **Global Change Biology***, Journal of Animal Ecology*, Journal of Applied Ecology, Journal of Evolutionary Biology, Journal of the North American Benthological Society, Journal of Visualized Experiments, **Nature**, **Nature Communications***, Oikos*.

*Indicates multiple times.

Examiner to PhD Theses:

- Ioar de Guzman Martinez (University of the Basque Country, Bilbao, Spain), 2022
- Camille Bonhomme (Federal University of Rio de Janeiro, UFRJ, Brazil), 2021
- Philipp Siegel (University of Essex, UK), 2020
- Tiago Souto Martins Teixeira (internal QMUL, UK), 2018
- Guillermo Eduardo Willis-Jones Tambo (internal QMUL, UK), 2018
- Monica Granados (McGill University, Canada), 2016

Examiner to MSc by Research Theses:

- Samuel Morement (University of Essex, UK), 2020
- Emily Dowdeswell (University of Bedfordshire, Bedfordshire, UK), 2016

Co-convenor of special session: Land-use impacts and other stressors on freshwater ecosystems, SIL conference Berlin, Germany (August 2022).

Organizing Committees for the BESAG Annual Meetings (2015-2018); Canadian Society for Ecology and Evolution (CSEE) in Vancouver (11.–14.5. 2008); American Society of Limnology and Oceanography (ASLO) in Victoria (4.–9.6. 2006); Ecology and Evolution Discussion Group, UVic (2005 – 2009); Grad Student Symposium, UVic (2004 – 2009); Ecology Club, QMUL (2015 – present).

FAA Level 3 Award in First Aid at Work, QMUL (August 2016).

Expedition Medicine Training: Preventing and managing illness conditions; Trauma and expedition environments, Royal Geographical Society, with IBG (April 2017).